# ROBO-603

## Embedded System Board

## User's Manual

P/N: 861106030041 Version 1.0

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# Manual Objectives

This manual describes in detail the Portwell Inc. ROBO-603 Embedded System Board.

We have tried to include as much information as possible but we have not duplicated information that is provided in the standard IBM Technical References, unless it proved to be necessary to aid in the understanding of this board.

We strongly recommend that you study this manual carefully before attempting to interface with ROBO-603 or change the standard configurations. Whilst all the necessary information is available in this manual we would recommend that unless you are confident, you contact your supplier for guidance.

Please be aware that it is possible to create configurations within the CMOS RAM that make booting impossible. If this should happen, clear the CMOS settings, (see the description of the Jumper Settings for details).

If you have any suggestions or find any errors concerning this manual and want to inform us of these, please contact our Customer Service department with the relevant details.

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# How to Use This Manual

The manual describes how to configure your ROBO-503 system to meet various operating requirements. It is divided into four chapters, with each chapter addressing a basic concept and operation of Embedded Board Computer.

**Chapter 1: Introduction.** This chapter presents what you have in the inside of box and give you an overview of the product specifications and basic system architecture for this model of single board computer.

**Chapter 2: Hardware Configuration Setting.** This chapter shows the definitions and locations of Jumpers and Connectors that you can easily configure your system.

**Chapter 3: System Installation.** This chapter describes how to properly mount the CPU and main memory, M-system Flash disk, or optional flat panel display interface module to get a safe installation and give you a programming guide of Watch Dog Timer function. Besides, it will introduce and show you the driver installation procedure about Graphics Controller.

**Chapter 4: BIOS Setup Information.** This chapter specifies the meaning of each setup parameters and how to get advanced BIOS performance and update new BIOS. In addition, POST checkpoint list will give you a guide of trouble-shooting.

The content of this manual and EC declaration document is subject to change without prior notice. These changes will be incorporated in new editions of the document. **Portwell** may make supplement or change in the products described in this document at any time.

Updates to this manual, technical clarification, and answers to frequently asked questions will be shown on the following web site: http://isc.portwell.com.tw

## EC Declaration of Conformity

# (To Be Added)

For the following equipment:

Product Name:

Model Name:

Trade Name:

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (89/336/EEC). The equipment was evaluated and passed the test, the following standards were applied :

| | | |
|---|---|---|
| EMC : | EN 55022 | (1994/A1:1995 Class A) |
| | EN 50082-2 | (1991) |
| | EN 61000-4-2 | (1995) |
| | EN 61000-4-3 | (1996) |
| | EN 61000-4-4 | (1995) |
| | EN 61000-3-2 | (1995) |
| | EN 61000-3-3 | (1995) |

The following manufacturer is responsible for this declaration :

Portwell Inc.

(Company Name)

(Company Address)

Taipei, R.O.C.

Place

Date

Legal Signature of Authorized Person